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service unit multicarrier modem means for modulating at least the upstream telephony information on at least one carrier orthogonal at the head end terminal to at least one other carrier of the second frequency bandwidth and for demodulating at least the downstream telephony

information modulated on at least a band of a plurality of orthogonal carriers in the first frequency bandwidth;

service unit controller means operatively connected to the service unit multicarrier modem means for controlling the modulation of and demodulation performed by the service unit multicarrier modem means.

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[illegible]